

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"US 20050012836"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/01/17 16:05
S2	1	("20020154231").PN.	US-PGPUB; USPAT	OR	OFF	2008/01/17 16:05
S3	44	((ROBERT) near2 (GUIDASH)).INV.	USPAT	OR	ON	2008/01/17 19:17
S4	14	((ROBERT) near2 (GUIDASH)).INV.	US-PGPUB	OR	ON	2008/01/17 16:13
S5	18	("4012587"   "4242700"   "4336556"   "4455575"   "4514766"   "4602289"   "4810901"   "5051832"   "5274476"   "5283451"   "5306906"   "6211915"   "6236434"   "6583818"   "6690421"   "6760071"   "6831692"   "6885402"). PN.	US-PGPUB; USPAT	OR	ON	2008/01/17 16:13
S6	2	"US 20040017497"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/01/17 16:17
S7	5	((("20070097244") or ("7315329") or ("7256831") or ("7242427") or ("7230646") or ("7256831")).PN.	US-PGPUB; USPAT	OR	OFF	2008/01/17 19:17
S8	71	(US-20050161714-\$ or US- 20040046883-\$ or US- 20060209202-\$ or US- 20070070232-\$ or US- 20010048477-\$ or US- 20060119725-\$ or US- 20010043276-\$ or US- 20040017497-\$ or US- 20020075391-\$).did. or (US-5488239-\$ or US- 4117510-\$ or US-4559550- \$ or US-5512945-\$ or US- 5668597-\$ or US-4774586- \$ or US-6185270-\$ or US- 4810901-\$ or US-4862487- \$ or US-6160580-\$ or US- 6211915-\$ or US-4636826- \$ or US-6541805-\$ or US- 4604652-\$ or US-5393997-	US-PGPUB; USPAT	OR	ON	2008/01/17 19:34

		\$ or US-4689687-\$ or US-6522356-\$ or US-5306906-\$ or US-4602289-\$ or US-6674094-\$ or US-6831692-\$ or US-6794692-\$ or US-4012587-\$ or US-5274476-\$ or US-6822682-\$ or US-4558365-\$).did. or (US-4200892-\$ or US-4477835-\$ or US-4336556-\$ or US-6933976-\$ or US-5051832-\$ or US-4514766-\$ or US-4455575-\$ or US-6690421-\$ or US-5793071-\$ or US-4720746-\$ or US-4847692-\$ or US-5353057-\$ or US-5379064-\$ or US-4500915-\$ or US-7217910-\$ or US-5847758-\$ or US-3946421-\$ or US-6426493-\$ or US-6423959-\$ or US-4242700-\$ or US-7002631-\$ or US-6850277-\$ or US-6809764-\$ or US-6760071-\$ or US-5598017-\$ or US-5396121-\$ or US-5283451-\$).did. or (US-6111279-\$ or US-4493060-\$ or US-6586784-\$ or US-6885402-\$ or US-6583818-\$ or US-6236434-\$ or US-7079183-\$ or US-6707494-\$ or US-6677998-\$).did.				
S9	20	fossum.in. and binning	US-PGPUB; USPAT	OR	ON	2008/01/17 19:44
S10	7	((("20020186312") or ("6970195") or ("5721422") or ("6885396") or ("6747699") or ("6844898") or ("3971065")).PN.	US-PGPUB; USPAT	OR	OFF	2008/01/17 19:45
S11	4	("4930006"   "5410146"   "5965892"   "5973311").PN. OR ("6844898").URPN.	US-PGPUB; USPAT; USOOCR	OR	ON	2008/01/17 19:46
S12	18	("4948966"   "5193018"   "5371351").PN. OR ("5721422").URPN.	US-PGPUB; USPAT; USOOCR	OR	ON	2008/01/17 19:48
S13	63	(chriss and yoder).xa.	US-PGPUB; USPAT; USOOCR	OR	ON	2008/01/17 19:48

S14	11	("20010013901"   "20020154233"   "20020154347"   "5793423"   "5949483"   "6239839"   "6365886"   "6452153"   "6531690"   "6747264"   "7242427"). PN. OR ("7304674").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/17 19:49
S15	361	(348/302).CQLS.	USPAT	OR	OFF	2008/02/01 21:42
S16	657	(348/308).CQLS.	USPAT	OR	OFF	2008/02/01 21:42
S17	109	(348/310).CQLS.	USPAT	OR	OFF	2008/02/01 21:42
S18	308	(348/311).CQLS.	USPAT	OR	OFF	2008/02/01 21:42
S19	108	(348/316).CQLS.	USPAT	OR	OFF	2008/02/01 21:41
S20	90	(348/319).CQLS.	USPAT	OR	OFF	2008/02/01 21:41
S21	169	(348/272).CQLS.	USPAT	OR	OFF	2008/02/01 21:41
S22	312	(348/273).CQLS.	USPAT	OR	OFF	2008/02/01 21:41
S23	36	(348/281).CQLS.	USPAT	OR	OFF	2008/02/01 20:58
S24	48	(348/282).CQLS.	USPAT	OR	OFF	2008/02/01 20:58
S25	39	(348/283).CQLS.	USPAT	OR	OFF	2008/02/01 20:58
S26	252	(348/220.1).CQLS.	USPAT	OR	OFF	2008/02/01 21:41
S27	113	(348/221.1).CQLS.	USPAT	OR	OFF	2008/02/01 21:41
S28	131	(348/302).CQLS.	US-PGPUB	OR	OFF	2008/02/01 21:41
S29	502	(348/308).CQLS.	US-PGPUB	OR	OFF	2008/02/01 21:41
S30	21	(348/310).CQLS.	US-PGPUB	OR	OFF	2008/02/01 20:58
S31	187	(348/311).CQLS.	US-PGPUB	OR	OFF	2008/02/01 21:41
S32	16	(348/316).CQLS.	US-PGPUB	OR	OFF	2008/02/01 20:57
S33	1	(348/319).CQLS.	US-PGPUB	OR	OFF	2008/02/01 20:57
S34	215	(348/272).CQLS.	US-PGPUB	OR	OFF	2008/02/01 21:41

S35	98	(348/273).CQLS.	US-PGPUB	OR	OFF	2008/02/01 21:40
S36	4	(348/281).CQLS.	US-PGPUB	OR	OFF	2008/02/01 20:57
S37	2	(348/282).CQLS.	US-PGPUB	OR	OFF	2008/02/01 20:57
S38	3	(348/283).CQLS.	US-PGPUB	OR	OFF	2008/02/01 20:57
S39	148	(348/220.1).CQLS.	US-PGPUB	OR	OFF	2008/02/01 21:40
S40	18	(348/221.1).CQLS.	US-PGPUB	OR	OFF	2008/02/01 20:57
S41	28	"348".clas. and (shar\$4 with float\$4 with diffusion)	USPAT	OR	ON	2008/02/02 16:30
S42	4	("20040012697"   "20050012836"   "20050110884"   "20060146161").PN. OR ("7238926").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/02 18:53
S43	1	("6686960").PN.	USPAT	OR	OFF	2008/02/02 19:15
S44	15	fossum.in. and binning	USPAT	OR	ON	2008/02/02 19:16
S45	2829	(250/208.1).CQLS.	USPAT	OR	OFF	2008/08/12 16:31
S46	1201	(250/208.1).CQLS.	US-PGPUB	OR	OFF	2008/08/12 16:31
S47	4030	(250/208.1).CQLS.	US-PGPUB; USPAT	OR	OFF	2008/08/12 16:31
S48	348	S47 and (shar\$4 or multiplex\$4) same amplif \$4	US-PGPUB; USPAT	OR	ON	2008/08/12 16:31
S49	109	(348/316).CQLS.	USPAT	OR	OFF	2008/08/12 18:31
S50	17	(348/316).CQLS.	US-PGPUB	OR	OFF	2008/08/12 18:31
S51	31	("4453177"   "4603354"   "4658287"   "4928137"   "4959723"   "5043819"   "5136370"   "5148013"   "5153731"   "5196939"   "5249041"   "5264939"   "5278660"   "5418565"   "5463419"   "5486859"   "5491512"   "5493335"   "5786588"   "5880781"   "5990946"   "6011583"   "6122007"   "6124888"   "6130710"   "6275261"   "6449013"   "6529236"). PN. OR ("6784928").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/12 18:34

S52	12	("4635122"   "4816916"   "4837630"   "4839734"   "4878121"   "4897728"   "5043819"   "5148013"). PN. OR ("5400071").URIPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/12 18:54
S53	92	(348/319).CCLS.	USPAT	OR	OFF	2008/08/12 19:04
S54	1	(348/319).CCLS.	US-PGPUB	OR	OFF	2008/08/12 19:04
S55	42	(348/283).CCLS.	USPAT	OR	OFF	2008/08/12 20:15
S56	3	(348/283).CCLS.	US-PGPUB	OR	OFF	2008/08/12 20:15
S58	1	10/229176	US-PGPUB; USPAT	OR	ON	2008/08/12 21:22
S60	2	10/230222	US-PGPUB; USPAT	OR	ON	2008/08/12 21:22
S61	631	(348/241).CCLS.	USPAT	OR	OFF	2008/08/13 16:02
S62	314	(348/241).CCLS.	US-PGPUB	OR	OFF	2008/08/13 16:02
S63	214	(S61 S62) and averag\$4	USPAT	OR	ON	2008/08/13 16:02
S64	377	(S61 S62) and averag\$4	US-PGPUB; USPAT	OR	ON	2008/08/13 16:02
S65	1377	floating adj diffusion	USPAT	OR	ON	2008/08/15 13:23
S66	1069	(floating adj diffusion) with charge	USPAT	OR	ON	2008/08/15 13:23
S67	634	(floating adj diffusion) with charge with voltage	USPAT	OR	ON	2008/08/15 13:23
S68	504	(floating adj diffusion) with charge with voltage and pixel	USPAT	OR	ON	2008/08/15 13:24
S69	320	(348/229.1).CCLS.	USPAT	OR	OFF	2008/08/15 19:10
S71	119275	*348*.clas.	US-PGPUB; USPAT	OR	ON	2008/08/15 19:12
S72	10229	(short same long) and (dynamic near3 range)	US-PGPUB; USPAT	OR	ON	2008/08/15 19:26
S73	1030	S71 and S72	US-PGPUB; USPAT	OR	ON	2008/08/15 19:26

S74	9	((("6919551") or ("5436662") or ("20020175269") or ("6067113") or ("6483541") or ("6128039") or ("20030071195") or ("7068312") or ("6351283")).PN.	US-PGPUB; USPAT	OR	OFF	2008/08/15 19:33
S75	6812	(short same long) and (dynamic near3 range) and averag\$4	US-PGPUB; USPAT	OR	ON	2008/08/15 19:51
S76	603	S71 and S75	US-PGPUB; USPAT	OR	ON	2008/08/15 19:51
S77	32	(348/235).OCLS.	USPAT	OR	OFF	2008/08/15 19:57
S78	4	(348/235).OCLS.	US-PGPUB	OR	OFF	2008/08/15 19:58
S79	15	(348/367).OCLS.	US-PGPUB	OR	OFF	2008/08/15 19:59
S80	62	(348/367).OCLS.	USPAT	OR	OFF	2008/08/15 19:59
S81	52	(348/364).OCLS.	US-PGPUB	OR	OFF	2008/08/15 20:01
S82	244	(348/364).OCLS.	USPAT	OR	OFF	2008/08/15 20:02
S83	75	(chrrs and yoder).xa.	USPAT	OR	ON	2008/08/15 20:05
S84	29	("20020027189"   "20030001962"   "20030184659"   "20040017498"   "4706123"   "4819074"   "5036400"   "5065247"   "5079622"   "5264940"   "5416515"   "5420635"   "5714753"   "5929908"   "6211915"   "6219097"   "6593970"   "6670993"   "6765611"   "6771312"   "6809768"   "6831692"   "6839087"   "6859230"   "6873442"   "6909461"   "6924841"   "6970195"   "7024108").PN. OR ("7400355").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/15 20:05

S85	14	("20020130957"   "4647975"   "6115065"   "6137100"   "6204881"   "6275259"   "6388709"   "6646246"   "6697114"   "6710804"   "6724426"   "6765611").PN. OR ("6924841").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/15 20:07
S86	59	("4589024"   "4626916"   "4706123"   "4819070"   "4821103"   "4884142"   "4959723"   "5084704"   "5162914"   "5262871"   "5264944"   "5274459"   "5434619"   "5471515"   "5485206"   "5541402"   "5541654"   "5576763"   "5585847").PN. OR ("6115065").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/15 20:10
S87	24	("20020027189"   "20020100862"   "20050128329"   "20060119717"   "5420635"   "5471515"   "5587596"   "5589880"   "5600696"   "5841126"   "5872595"   "5920345"   "6008486"   "6040570"   "6115065"   "6180935"   "6188433"   "6211915"   "6289139"   "6317154"   "6320616"   "6429898"   "6606121"   "6831689"). PN. OR ("7382407").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/15 20:12
S88	29	("4845382"   "4914519"   "5278658").PN. OR ("5434619").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/15 20:27
S89	14	("4843473"   "5274459"   "5434619"   "5737016"   "5998779"   "6008486"   "6067113"   "6118115"   "6166769"   "6476864"   "6535247"   "6538693"). PN. OR ("6803952").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/15 20:29
S90	44	((ROBERT) near2 (GUIDASH)).INV.	USPAT	OR	ON	2008/08/16 14:20
S91	15	((ROBERT) near2 (GUIDASH)).INV.	US-PGPUB	OR	ON	2008/08/16 14:20
S92	385	(348/302).CCLS.	USPAT	OR	OFF	2008/08/16 14:20
S93	717	(348/308).CCLS.	USPAT	OR	OFF	2008/08/16 14:20
S94	113	(348/310).CCLS.	USPAT	OR	OFF	2008/08/16 14:20

S95	326	(348/311).CCLS.	USPAT	OR	OFF	2008/08/16 14:20
S96	109	(348/316).CCLS.	USPAT	OR	OFF	2008/08/16 14:20
S97	183	(348/272).CCLS.	USPAT	OR	OFF	2008/08/16 14:20
S98	329	(348/273).CCLS.	USPAT	OR	OFF	2008/08/16 14:20
S99	38	(348/281).CCLS.	USPAT	OR	OFF	2008/08/16 14:20
S100	53	(348/282).CCLS.	USPAT	OR	OFF	2008/08/16 14:20
S101	272	(348/220.1).CCLS.	USPAT	OR	OFF	2008/08/16 14:20
S102	120	(348/221.1).CCLS.	USPAT	OR	OFF	2008/08/16 14:20
S103	143	(348/302).CCLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S104	562	(348/308).CCLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S105	21	(348/310).CCLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S106	215	(348/311).CCLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S107	17	(348/316).CCLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S108	221	(348/272).CCLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S109	105	(348/273).CCLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S110	5	(348/281).CCLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S111	2	(348/282).CCLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S112	167	(348/220.1).CCLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S113	23	(348/221.1).CCLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S114	32	*348".clas. and (shar\$4 with float\$4 with diffusion)	USPAT	OR	ON	2008/08/16 14:20
S115	4033	(250/208.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/08/16 14:20
S116	348	S115 and (shar\$4 or multiplex\$4) same amplif \$4	US-PGPUB; USPAT	OR	ON	2008/08/16 14:20
S117	109	(348/316).CCLS.	USPAT	OR	OFF	2008/08/16 14:20



S118	17	(348/316).CQLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S119	92	(348/319).CQLS.	USPAT	OR	OFF	2008/08/16 14:20
S120	1	(348/319).CQLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S121	42	(348/283).CQLS.	USPAT	OR	OFF	2008/08/16 14:20
S122	3	(348/283).CQLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S123	631	(348/241).CQLS.	USPAT	OR	OFF	2008/08/16 14:20
S124	314	(348/241).CQLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S125	214	(S123 S124) and averag\$4	USPAT	OR	ON	2008/08/16 14:20
S126	377	(S123 S124) and averag\$4	US-PGPUB; USPAT	OR	ON	2008/08/16 14:20
S127	504	(floating adj diffusion) with charge with voltage and pixel	USPAT	OR	ON	2008/08/16 14:20
S128	320	(348/229.1).CQLS.	USPAT	OR	OFF	2008/08/16 14:20
S129	119275	"348".clas.	US-PGPUB; USPAT	OR	ON	2008/08/16 14:20
S130	10229	(short same long) and (dynamic near3 range)	US-PGPUB; USPAT	OR	ON	2008/08/16 14:20
S131	1030	S129 and S130	US-PGPUB; USPAT	OR	ON	2008/08/16 14:20
S132	6812	(short same long) and (dynamic near3 range) and averag\$4	US-PGPUB; USPAT	OR	ON	2008/08/16 14:20
S133	603	S129 and S132	US-PGPUB; USPAT	OR	ON	2008/08/16 14:20
S134	32	(348/235).CQLS.	USPAT	OR	OFF	2008/08/16 14:20
S135	4	(348/235).CQLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S136	15	(348/367).CQLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S137	62	(348/367).CQLS.	USPAT	OR	OFF	2008/08/16 14:20
S138	52	(348/364).CQLS.	US-PGPUB	OR	OFF	2008/08/16 14:20
S139	244	(348/364).CQLS.	USPAT	OR	OFF	2008/08/16 14:20

S140	29	("20020027189"   "20030001962"   "20030184659"   "20040017498"   "4706123"   "4819074"   "5036400"   "5065247"   "5079622"   "5264940"   "5416515"   "5420635"   "5714753"   "5929908"   "6211915"   "6219097"   "6593970"   "6670993"   "6765611"   "6771312"   "6809768"   "6831692"   "6839087"   "6859230"   "6873442"   "6909461"   "6924841"   "6970195"   "7024108").PN. OR ("7400355").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/16 14:20
S141	14	("20020130957"   "4647975"   "6115065"   "6137100"   "6204881"   "6275259"   "6388709"   "6646246"   "6697114"   "6710804"   "6724426"   "6765611").PN. OR ("6924841").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/16 14:20
S142	59	("4569024"   "4626916"   "4706123"   "4819070"   "4821103"   "4884142"   "4959723"   "5084704"   "5162914"   "5262871"   "5264944"   "5274459"   "5434619"   "5471515"   "5485206"   "5541402"   "5541654"   "5576763"   "5585847").PN. OR ("6115065").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/16 14:20
S143	24	("20020027189"   "20020100862"   "20050128329"   "20060119717"   "5420635"   "5471515"   "5587596"   "5589880"   "5600696"   "5841126"   "5872595"   "5920345"   "6008486"   "6040570"   "6115065"   "6180935"   "6188433"   "6211915"   "6289139"   "6317154"   "6320616"   "6429898"   "6606121"   "6831689"). PN. OR ("7382407").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/16 14:20
S144	29	("4845382"   "4914519"   "5278658").PN. OR ("5434619").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/16 14:20

S145	14	("4843473"   "5274459"   "5434619"   "5737016"   "5998779"   "6008486"   "6067113"   "6118115"   "6166769"   "6476864"   "6535247"   "6538693").PN. OR ("6803952").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/16 14:20
S146	3	((("6970195") or ("20060208163") or ("20060175536"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/05/08 13:46
S147	1	("7087883").PN.	US-PGPUB; USPAT	OR	OFF	2009/05/08 13:47
S148	7	("4809075"   "5955753"   "6160281"   "6218691"   "6320617"   "6750912").PN. OR ("7087883").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 13:48
S149	27	("4249122"   "4463383"   "4466018"   "4676761"   "4794247"   "5043820"   "5083016"   "5296696"   "5345266"   "5471515"   "5541402"   "5576763"   "5587596"   "5608243"   "5739562"   "5757426"   "5892540"   "5898753"   "5973311"   "6107655"   "6486913").PN. OR ("6750912").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 13:49
S150	53	("4363963"   "4547806"   "4587562"   "4644401"   "4678938"   "4763197").PN. OR ("4809075").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 13:51
S151	7	("4809075"   "5955753"   "6160281"   "6218691"   "6320617"   "6750912").PN. OR ("7087883").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 13:52
S152	25	("20010006402"   "20010010551"   "4333111"   "4809075"   "5144447"   "5214274"   "5471515"   "5485204"   "5587596"   "5654537"   "5721425"   "5744823"   "5841126"   "5877715"   "5880691"   "5892540"   "5892541"   "5933188"   "6243134"   "6433822"   "6441852"   "6469740").PN. OR ("6791612").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 13:53
S153	2	("2001/0006402").URPN.	USPAT	OR	ON	2009/05/08 13:53

S154	25	("20010006402"   "20010007471"   "20020018131"   "20040041930"   "20040041932"   "20050012836"   "20050110093"   "20050248675"   "20070018267"   "20070285545"   "6043478"   "6107655"   "6352869"   "6486913"   "6522357"   "6657665"   "6693670"   "6731335"   "6750912"   "6867806"   "7053947"   "7064362"   "7238926"   "7244918"   "7332786").PN. OR ("7443437").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 13:54
S155	18	10/229955	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 13:54
S156	8	("2002/0018131").URPN.	USPAT	OR	ON	2009/05/08 14:00
S157	4	("20020018131"   "20040096124"   "20050083421"   "6377304").PN. OR ("7256381").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 14:02
S158	5	("20040012697"   "20050012836"   "20050110884"   "20060146161").PN. OR ("7238926").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 14:04
S159	12	("5272535"   "5274459"   "5523570"   "5751005"   "5900623"   "5955753"   "6069365"   "6091449"   "6233013"   "6465860"). PN. OR ("6867806").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 14:12
S160	18	("4914518"   "4942473"   "5144442"   "5148268"   "5471515"   "5493423"   "5519514"   "5543838"   "5550653"   "5576763"   "5587596"   "5625210"   "5631704"   "5654755"   "5898168").PN. OR ("6233013").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 14:12
S161	24	("4672453"   "4827345"   "4896216"   "5105277"   "5148268").PN. OR ("5543838").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 14:14
S162	1	("6565824").PN.	USPAT	OR	OFF	2009/05/08 15:44

S163	4	("4930006"   "5410146"   "5965892"   "5973311"). PN. OR ("6844898").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 16:21
S164	20	("4948966"   "5193018"   "5371351").PN. OR ("5721422").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 16:21
S165	12	("20010013901"   "20020154233"   "20020154347"   "5793423"   "5949483"   "6239839"   "6365886"   "6452153"   "6531690"   "6747264"   "7242427"). PN. OR ("7304674").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 16:21
S166	46	"348".clas. and (shar\$4 with float\$4 with diffusion)	USPAT	OR	ON	2009/05/08 16:21
S167	5	("20040012697"   "20050012836"   "20050110884"   "20060146161").PN. OR ("7238926").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 16:21
S168	16	fossum.in. and binning	USPAT	OR	ON	2009/05/08 16:21
S169	3048	(250/208.1).CQLS.	USPAT	OR	OFF	2009/05/08 16:21
S170	1319	(250/208.1).CQLS.	US-PGPUB	OR	OFF	2009/05/08 16:21
S171	17	(348/316).CQLS.	US-PGPUB	OR	OFF	2009/05/08 16:21
S172	34	("4453177"   "4603354"   "4658287"   "4928137"   "4959723"   "5043819"   "5136370"   "5148013"   "5153731"   "5196939"   "5249041"   "5264939"   "5278660"   "5418565"   "5463419"   "5486859"   "5491512"   "5493335"   "5786588"   "5880781"   "5990946"   "6011583"   "6122007"   "6124888"   "6130710"   "6275261"   "6449013"   "6529236"). PN. OR ("6784928").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 16:21
S173	12	("4635122"   "4816916"   "4837630"   "4839734"   "4878121"   "4897728"   "5043819"   "5148013"). PN. OR ("5400071").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 16:21
S174	1555	floating adj diffusion	USPAT	OR	ON	2009/05/08 16:21
S175	1205	(floating adj diffusion) with charge	USPAT	OR	ON	2009/05/08 16:21

S176	711	(floating adj diffusion) with charge with voltage	USPAT	OR	ON	2009/05/08 16:21
S177	131200	"348".clas.	US-PGPUB; USPAT	OR	ON	2009/05/08 16:21
S178	7542	(short same long) and (dynamic near3 range) and averag\$4	US-PGPUB; USPAT	OR	ON	2009/05/08 16:21
S179	45	((ROBERT) near2 (GUI DASH)).INV.	USPAT	OR	ON	2009/05/08 16:21
S180	15	((ROBERT) near2 (GUI DASH)).INV.	US-PGPUB	OR	ON	2009/05/08 16:21
S181	425	(348/302).CCLS.	USPAT	OR	OFF	2009/05/08 16:21
S182	813	(348/308).CCLS.	USPAT	OR	OFF	2009/05/08 16:21
S183	126	(348/310).CCLS.	USPAT	OR	OFF	2009/05/08 16:21
S184	349	(348/311).CCLS.	USPAT	OR	OFF	2009/05/08 16:21
S185	115	(348/316).CCLS.	USPAT	OR	OFF	2009/05/08 16:21
S186	203	(348/272).CCLS.	USPAT	OR	OFF	2009/05/08 16:21
S187	353	(348/273).CCLS.	USPAT	OR	OFF	2009/05/08 16:21
S188	42	(348/281).CCLS.	USPAT	OR	OFF	2009/05/08 16:21
S189	57	(348/282).CCLS.	USPAT	OR	OFF	2009/05/08 16:21
S190	303	(348/220.1).CCLS.	USPAT	OR	OFF	2009/05/08 16:21
S191	140	(348/221.1).CCLS.	USPAT	OR	OFF	2009/05/08 16:22
S192	173	(348/302).CCLS.	US-PGPUB	OR	OFF	2009/05/08 16:22
S193	660	(348/308).CCLS.	US-PGPUB	OR	OFF	2009/05/08 16:22
S194	21	(348/310).CCLS.	US-PGPUB	OR	OFF	2009/05/08 16:22
S195	273	(348/311).CCLS.	US-PGPUB	OR	OFF	2009/05/08 16:22
S196	17	(348/316).CCLS.	US-PGPUB	OR	OFF	2009/05/08 16:22
S197	226	(348/272).CCLS.	US-PGPUB	OR	OFF	2009/05/08 16:22
S198	127	(348/273).CCLS.	US-PGPUB	OR	OFF	2009/05/08 16:22

S199	5	(348/281).CCLS	US-PGPUB	OR	OFF	2009/05/08 16:22
S200	3	(348/282).CCLS	US-PGPUB	OR	OFF	2009/05/08 16:22
S201	192	(348/220.1).CCLS	US-PGPUB	OR	OFF	2009/05/08 16:22
S202	27	(348/221.1).CCLS	US-PGPUB	OR	OFF	2009/05/08 16:22
S203	46	"348".clas and (shar\$4 with float\$4 with diffusion)	USPAT	OR	ON	2009/05/08 16:22
S204	4367	(250/208.1).CCLS	US-PGPUB; USPAT	OR	OFF	2009/05/08 16:22
S205	377	S204 and (shar\$4 or multiplex\$4) same amplif \$4	US-PGPUB; USPAT	OR	ON	2009/05/08 16:22
S206	115	(348/316).CCLS	USPAT	OR	OFF	2009/05/08 16:22
S207	17	(348/316).CCLS	US-PGPUB	OR	OFF	2009/05/08 16:22
S208	93	(348/319).CCLS	USPAT	OR	OFF	2009/05/08 16:22
S209	2	(348/319).CCLS	US-PGPUB	OR	OFF	2009/05/08 16:22
S210	43	(348/283).CCLS	USPAT	OR	OFF	2009/05/08 16:22
S211	3	(348/283).CCLS	US-PGPUB	OR	OFF	2009/05/08 16:22
S212	700	(348/241).CCLS	USPAT	OR	OFF	2009/05/08 16:22
S213	395	(348/241).CCLS	US-PGPUB	OR	OFF	2009/05/08 16:22
S214	237	(S212 S213) and averag\$4	USPAT	OR	ON	2009/05/08 16:22
S215	438	(S212 S213) and averag\$4	US-PGPUB; USPAT	OR	ON	2009/05/08 16:22
S216	577	(floating adj diffusion) with charge with voltage and pixel	USPAT	OR	ON	2009/05/08 16:22
S217	358	(348/229.1).CCLS	USPAT	OR	OFF	2009/05/08 16:22
S218	131200	"348".clas	US-PGPUB; USPAT	OR	ON	2009/05/08 16:22
S219	11297	(short same long) and (dynamic near3 range)	US-PGPUB; USPAT	OR	ON	2009/05/08 16:22
S220	1204	S218 and S219	US-PGPUB; USPAT	OR	ON	2009/05/08 16:22

S221	7542	(short same long) and (dynamic near3 range) and averag\$4	US-PGPUB; USPAT	OR	ON	2009/05/08 16:22
S222	712	S218 and S221	US-PGPUB; USPAT	OR	ON	2009/05/08 16:22
S223	37	(348/235).CQLS.	USPAT	OR	OFF	2009/05/08 16:22
S224	4	(348/235).CQLS.	US-PGPUB	OR	OFF	2009/05/08 16:22
S225	17	(348/367).CQLS.	US-PGPUB	OR	OFF	2009/05/08 16:22
S226	68	(348/367).CQLS.	USPAT	OR	OFF	2009/05/08 16:22
S227	54	(348/364).CQLS.	US-PGPUB	OR	OFF	2009/05/08 16:22
S228	268	(348/364).CQLS.	USPAT	OR	OFF	2009/05/08 16:22
S229	29	("20020027189"   "20030001962"   "20030184659"   "20040017498"   "4706123"   "4819074"   "5036400"   "5065247"   "5079622"   "5264940"   "5416515"   "5420635"   "5714753"   "5929908"   "6211915"   "6219097"   "6593970"   "6670993"   "6765611"   "6771312"   "6809768"   "6831692"   "6839087"   "6859230"   "6873442"   "6909461"   "6924841"   "6970195"   "7024108").PN. OR ("7400355").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 16:22
S230	17	("20020130957"   "4647975"   "6115065"   "6137100"   "6204881"   "6275259"   "6388709"   "6646246"   "6697114"   "6710804"   "6724426"   "6765611").PN. OR ("6924841").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 16:22



S231	65	("4589024"   "4626916"   "4706123"   "4819070"   "4821103"   "4884142"   "4959723"   "5084704"   "5162914"   "5262871"   "5264944"   "5274459"   "5434619"   "5471515"   "5485206"   "5541402"   "5541654"   "5576763"   "5585847").PN. OR ("6115065").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 16:22
S232	24	("20020027189"   "20020100862"   "20050128329"   "20060119717"   "5420635"   "5471515"   "5587596"   "5589880"   "5600696"   "5841126"   "5872595"   "5920345"   "6008486"   "6040570"   "6115065"   "6180935"   "6188433"   "6211915"   "6289139"   "6317154"   "6320616"   "6429898"   "6606121"   "6831689"). PN. OR ("7382407").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 16:22
S233	30	("4845382"   "4914519"   "5278658").PN. OR ("5434619").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 16:22
S234	15	("4843473"   "5274459"   "5434619"   "5737016"   "5998779"   "6008486"   "6067113"   "6118115"   "6166769"   "6476864"   "6535247"   "6538693"). PN. OR ("6803952").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 16:22
S235	143	(US-20020154231-\$ or US- 20050012836-\$ or US- 20020066849-\$ or US- 20040017497-\$ or US- 20070097244-\$ or US- 20070070232-\$ or US- 20020186312-\$ or US- 20020145675-\$ or US- 20030112350-\$ or US- 20030081132-\$ or US- 20030090581-\$ or US- 20020057354-\$ or US- 20020012055-\$ or US- 20080156966-\$ or US- 20070075221-\$ or US- 20060273241-\$ or US- 20060273240-\$ or US- 20060208163-\$ or US- 20060208161-\$ or US- 20060175536-\$ or US-	US-PGPUB; USPAT	OR	ON	2009/05/08 19:39

20040041931-\$ or US-  
20040051802-\$ or US-  
20020080263-\$ or US-  
20030001962-\$ or US-  
20020027189-\$ or US-  
20050128329-\$).did. or  
(US-20020100862-\$ or US-  
20080136933-\$ or US-  
20080030605-\$ or US-  
20010006402-\$ or US-  
20070285545-\$ or US-  
20070018267-\$ or US-  
20050110093-\$ or US-  
20020018131-\$ or US-  
20050083421-\$ or US-  
20050110884-\$).did. or  
(US-6690421-\$ or US-  
4930006-\$ or US-6236434-  
\$ or US-7230646-\$ or US-  
4514766-\$ or US-4455575-  
\$ or US-6798451-\$ or US-  
7256831-\$ or US-6844898-  
\$ or US-6423959-\$ or US-  
4774586-\$ or US-6160580-  
\$ or US-3971065-\$ or US-  
6522356-\$ or US-5721422-  
\$ or US-6185270-\$ or US-  
5396121-\$ or US-4559550-  
\$ or US-4500915-\$ or US-  
7304674-\$ or US-7242427-  
\$ or US-6674094-\$ or US-  
6452153-\$ or US-5896173-  
\$ or US-7315329-\$ or US-  
7148927-\$).did. or (US-  
5278660-\$ or US-4876590-  
\$ or US-4658287-\$ or US-  
4542409-\$ or US-6784928-  
\$ or US-4453177-\$ or US-  
7238926-\$ or US-7075049-  
\$ or US-7026596-\$ or US-  
6657665-\$ or US-6423994-  
\$ or US-6352869-\$ or US-  
6686960-\$ or US-5500675-  
\$ or US-5949483-\$ or US-  
7342213-\$ or US-5786588-  
\$ or US-4959723-\$ or US-  
5440343-\$ or US-5400071-  
\$ or US-5148013-\$ or US-  
4626898-\$ or US-4314279-  
\$ or US-4816916-\$ or US-  
4553167-\$ or US-7408443-  
\$ or US-6795119-\$).did. or  
(US-5027195-\$ or US-  
4821088-\$ or US-4814865-  
\$ or US-7375748-\$ or US-  
6483541-\$ or US-7079178-  
\$ or US-6710804-\$ or US-  
6697114-\$ or US-6204881-

		\$ or US-6115065-\$ or US-4647975-\$ or US-6289139-\$ or US-6040570-\$ or US-6008486-\$ or US-5841126-\$ or US-5600696-\$ or US-6972794-\$ or US-6809766-\$ or US-6529242-\$ or US-5434619-\$ or US-6950131-\$ or US-6803952-\$ or US-7148462-\$ or US-6538693-\$ or US-6476864-\$ or US-6067113-\$ or US-6466265-\$).did. or (US-6421085-\$ or US-6166769-\$ or US-6809768-\$ or US-7068317-\$ or US-6587146-\$ or US-6552323-\$ or US-7355641-\$ or US-7379107-\$ or US-6970195-\$ or US-7087883-\$ or US-6750912-\$ or US-6218691-\$ or US-4809075-\$ or US-6791612-\$ or US-7443437-\$ or US-7256381-\$ or US-6867806-\$ or US-6233013-\$ or US-6731335-\$ or US-5543838-\$ or US-7518759-\$ or US-5148268-\$ or US-5955753-\$ or US-7476836-\$ or US-5892540-\$ or US-7511323-\$ or US-7382010-\$).did.				
S237	12	S235 and (color adj differenc\$4)	US-PGPUB; USPAT	OR	ON	2009/05/08 19:40
S238	83	"348".clas. and (adjacent or neighbor\$4) near3 (color adj differenc\$4)	US-PGPUB; USPAT	OR	ON	2009/05/08 22:03
S239	8	("4757377"   "5034805").PN. OR ("5229859").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 22:14
S240	32	bryce near3 bayer	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 23:18
S241	32	bayer adj (filter or pattern) with (benefit or advantage)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/08 23:26
S242	685	"348".clas. and (short with long) with (expos\$4 or integrat\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/09 09:59
S243	374	S242 and (dynamic near3 range)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/09 09:59
S245	4	("6008486"   "6674470"   "6680498"   "6710804").PN. OR ("7397509").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/09 10:05
S246	1	("6486504").PN.	USPAT	OR	OFF	2009/05/09 10:05

S247	199	S242 and (dynamic near3 range) and averag\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/09 10:14
S248	39	"348".clas. and ((short with long) with (expos\$4 or integrat\$4) same averag\$4) and (dynamic near3 range)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/09 10:14
S249	9	("5325449"   "5488674"   "5511155"   "5828793"   "5886822"   "6075905").PN. OR ("6584235").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/09 10:25
S250	1	("2003/0117520").URPN.	USPAT	OR	ON	2009/05/09 10:26
S251	0	moorehead.xa.	USPAT	OR	ON	2009/05/09 12:26
S252	0	moorhead.xa.	USPAT	OR	ON	2009/05/09 12:26
S253	8	morehead.xa.	USPAT	OR	ON	2009/05/09 12:26
S254	3336	"16 phase"	USPAT	OR	ON	2009/05/09 12:27
S255	183	"16 phase" and "348".clas.	USPAT	OR	ON	2009/05/09 12:27
S256	12	("5528291"   "5608455").PN. OR ("6583818").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/09 12:29
S257	2	"US 20050012836"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/11/19 13:38
S258	1	("20020154231").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/19 13:38
S259	45	((ROBERT) near2 (GUI DASH)).INV.	USPAT	OR	ON	2009/11/19 13:38
S260	16	((ROBERT) near2 (GUI DASH)).INV.	US-PGPUB	OR	ON	2009/11/19 13:38
S261	18	("4012587"   "4242700"   "4336556"   "4455575"   "4514766"   "4602289"   "4810901"   "5051832"   "5274476"   "5283451"   "5306906"   "6211915"   "6236434"   "6583818"   "6690421"   "6760071"   "6831692"   "6885402").PN.	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S262	3	"US 20040017497"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/11/19 13:38

S263	5	(("20070097244") or ("7315329") or ("7256831") or ("7242427") or ("7230646") or ("7256831")).PN.	US-PGRUB; USPAT	OR	OFF	2009/11/19 13:38
S264	71	(US-20050161714-\$ or US-20040046883-\$ or US-20060209202-\$ or US-20070070232-\$ or US-20010048477-\$ or US-20060119725-\$ or US-20010043276-\$ or US-20040017497-\$ or US-20020075391-\$).did. or (US-5488239-\$ or US-4117510-\$ or US-4559550-\$ or US-5512945-\$ or US-5668597-\$ or US-4774586-\$ or US-6185270-\$ or US-4810901-\$ or US-4862487-\$ or US-6160580-\$ or US-6211915-\$ or US-4636826-\$ or US-6541805-\$ or US-4604652-\$ or US-5393997-\$ or US-4689687-\$ or US-6522356-\$ or US-5306906-\$ or US-4602289-\$ or US-6674094-\$ or US-6831692-\$ or US-6794692-\$ or US-4012587-\$ or US-5274476-\$ or US-6822682-\$ or US-4558365-\$).did. or (US-4200892-\$ or US-4477835-\$ or US-4336556-\$ or US-6933976-\$ or US-5051832-\$ or US-4514766-\$ or US-4455575-\$ or US-6690421-\$ or US-5793071-\$ or US-4720746-\$ or US-4847692-\$ or US-5353057-\$ or US-5379064-\$ or US-4500915-\$ or US-7217910-\$ or US-5847758-\$ or US-3946421-\$ or US-6426493-\$ or US-6423959-\$ or US-4242700-\$ or US-7002631-\$ or US-6850277-\$ or US-6809764-\$ or US-6760071-\$ or US-5598017-\$ or US-5396121-\$ or US-5283451-\$).did. or (US-6111279-\$ or US-4493060-\$ or US-6586784-\$ or US-6885402-\$ or US-6583818-\$ or US-6236434-\$ or US-7079183-\$ or US-6707494-\$ or US-6677998-	US-PGRUB; USPAT	OR	ON	2009/11/19 13:38

		\$).did.				
S265	21	fossum.in. and binning	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S266	7	((("20020186312") or ("6970195") or ("5721422") or ("6885396") or ("6747699") or ("6844898") or ("3971065"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/11/19 13:38
S267	4	("4930006"   "5410146"   5965892"   "5973311"). PN. OR ("6844898").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S268	22	("4948966"   "5193018"   5371351").PN. OR ("5721422").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S269	103	(chriss and yoder).xa.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S270	13	("20010013901"   "20020154233"   "20020154347"   "5793423"   "5949483"   "6239839"   "6365886"   "6452153"   "6531690"   "6747264"   "7242427"). PN. OR ("7304674").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S271	464	(348/302).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S272	885	(348/308).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S273	129	(348/310).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S274	374	(348/311).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S275	117	(348/316).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S276	95	(348/319).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S277	229	(348/272).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S278	380	(348/273).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S279	49	(348/281).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S280	63	(348/282).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S281	46	(348/283).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S282	321	(348/220.1).CQLS.	USPAT	OR	OFF	2009/11/19 13:38

S283	156	(348/221.1).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S284	210	(348/302).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S285	761	(348/308).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S286	21	(348/310).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S287	302	(348/311).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S288	17	(348/316).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S289	2	(348/319).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S290	227	(348/272).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S291	149	(348/273).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S292	6	(348/281).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S293	3	(348/282).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S294	3	(348/283).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S295	211	(348/220.1).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S296	30	(348/221.1).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S297	50	"348".clas. and (shar\$4 with float\$4 with diffusion)	USPAT	OR	ON	2009/11/19 13:38
S298	6	("20040012697"   "20050012836"   "20050110884"   "20060146161").PN. OR ("7238926").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S299	1	("6686960").PN.	USPAT	OR	OFF	2009/11/19 13:38
S300	16	fossum.in. and binning	USPAT	OR	ON	2009/11/19 13:38
S301	3197	(250/208.1).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S302	1403	(250/208.1).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S303	4600	(250/208.1).CQLS.	US-PGPUB; USPAT	OR	OFF	2009/11/19 13:38
S304	406	S303 and (shar\$4 or multiplex\$4) same amplif \$4	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38

S305	117	(348/316).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S306	17	(348/316).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S307	36	("4453177"   "4603354"   "4658287"   "4928137"   "4959723"   "5043819"   "5136370"   "5148013"   "5153731"   "5196939"   "5249041"   "5264939"   "5278660"   "5418565"   "5463419"   "5486859"   "5491512"   "5493335"   "5786588"   "5880781"   "5990946"   "6011583"   "6122007"   "6124888"   "6130710"   "6275261"   "6449013"   "6529236"). PN. OR ("6784928").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S308	13	("4635122"   "4816916"   "4837630"   "4839734"   "4878121"   "4897728"   "5043819"   "5148013"). PN. OR ("5400071").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S309	95	(348/319).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S310	2	(348/319).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S311	46	(348/283).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S312	3	(348/283).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S313	2	10/229176	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S314	2	10/230222	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S315	761	(348/241).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S316	453	(348/241).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S317	268	(S315 S316) and averag\$4	USPAT	OR	ON	2009/11/19 13:38
S318	506	(S315 S316) and averag\$4	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S319	1739	floating adj diffusion	USPAT	OR	ON	2009/11/19 13:38
S320	1346	(floating adj diffusion) with charge	USPAT	OR	ON	2009/11/19 13:38
S321	787	(floating adj diffusion) with charge with voltage	USPAT	OR	ON	2009/11/19 13:38



S322	646	(floating adj diffusion) with charge with voltage and pixel	USPAT	OR	ON	2009/11/19 13:38
S323	385	(348/229.1).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S324	136153	"348".clas.	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S325	12013	(short same long) and (dynamic near3 range)	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S326	1286	S324 and S325	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S327	9	(("6919551") or ("5436662") or ("20020175269") or ("6067113") or ("6483541") or ("6128039") or ("20030071195") or ("7068312") or ("6351283")).PN.	US-PGPUB; USPAT	OR	OFF	2009/11/19 13:38
S328	8039	(short same long) and (dynamic near3 range) and averag\$4	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S329	754	S324 and S328	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S330	39	(348/235).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S331	4	(348/235).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S332	18	(348/367).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S333	69	(348/367).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S334	54	(348/364).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S335	274	(348/364).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S336	103	(chriiss and yoder).xa.	USPAT	OR	ON	2009/11/19 13:38

S337	29	("20020027189"   "20030001962"   "20030184659"   "20040017498"   "4706123"   "4819074"   "5036400"   "5065247"   "5079622"   "5264940"   "5416515"   "5420635"   "5714753"   "5929908"   "6211915"   "6219097"   "6593970"   "6670993"   "6765611"   "6771312"   "6809768"   "6831692"   "6839087"   "6859230"   "6873442"   "6909461"   "6924841"   "6970195"   "7024108").PN. OR ("7400355").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S338	20	("20020130957"   "4647975"   "6115065"   "6137100"   "6204881"   "6275259"   "6388709"   "6646246"   "6697114"   "6710804"   "6724426"   "6765611").PN. OR ("6924841").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S339	69	("4589024"   "4626916"   "4706123"   "4819070"   "4821103"   "4884142"   "4959723"   "5084704"   "5162914"   "5262871"   "5264944"   "5274459"   "5434619"   "5471515"   "5485206"   "5541402"   "5541654"   "5576763"   "5585847").PN. OR ("6115065").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S340	24	("20020027189"   "20020100862"   "20050128329"   "20060119717"   "5420635"   "5471515"   "5587596"   "5589880"   "5600696"   "5841126"   "5872595"   "5920345"   "6008486"   "6040570"   "6115065"   "6180935"   "6188433"   "6211915"   "6289139"   "6317154"   "6320616"   "6429898"   "6606121"   "6831689"). PN. OR ("7382407").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S341	30	("4845382"   "4914519"   "5278658").PN. OR ("5434619").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38

S342	16	("4843473"   "5274459"   "5434619"   "5737016"   "5998779"   "6008486"   "6067113"   "6118115"   "6166769"   "6476864"   "6535247"   "6538693"). PN. OR ("6803952").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S343	45	((ROBERT) near2 (GUIDASH)).INV.	USPAT	OR	ON	2009/11/19 13:38
S344	16	((ROBERT) near2 (GUIDASH)).INV.	US-PGPUB	OR	ON	2009/11/19 13:38
S345	464	(348/302).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S346	885	(348/308).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S347	129	(348/310).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S348	374	(348/311).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S349	117	(348/316).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S350	229	(348/272).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S351	380	(348/273).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S352	49	(348/281).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S353	63	(348/282).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S354	321	(348/220.1).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S355	156	(348/221.1).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S356	210	(348/302).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S357	761	(348/308).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S358	21	(348/310).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S359	302	(348/311).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S360	17	(348/316).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S361	227	(348/272).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S362	149	(348/273).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S363	6	(348/281).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38

S364	3	(348/282).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S365	211	(348/220.1).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S366	30	(348/221.1).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S367	50	"348".clas. and (shar\$4 with float\$4 with diffusion)	USPAT	OR	ON	2009/11/19 13:38
S368	4600	(250/208.1).CQLS.	US-PGPUB; USPAT	OR	OFF	2009/11/19 13:38
S369	406	S368 and (shar\$4 or multiplex\$4) same amplif \$4	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S370	117	(348/316).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S371	17	(348/316).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S372	95	(348/319).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S373	2	(348/319).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S374	46	(348/283).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S375	3	(348/283).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S376	761	(348/241).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S377	453	(348/241).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S378	268	(S376 S377) and averag\$4	USPAT	OR	ON	2009/11/19 13:38
S379	506	(S376 S377) and averag\$4	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S380	646	(floating adj diffusion) with charge with voltage and pixel	USPAT	OR	ON	2009/11/19 13:38
S381	385	(348/229.1).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S382	136153	"348".clas.	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S383	12013	(short same long) and (dynamic near3 range)	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S384	1286	S382 and S383	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S385	8039	(short same long) and (dynamic near3 range) and averag\$4	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S386	754	S382 and S385	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38

S387	39	(348/235).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S388	4	(348/235).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S389	18	(348/367).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S390	69	(348/367).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S391	54	(348/364).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S392	274	(348/364).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S393	29	("20020027189"   "20030001962"   "20030184659"   "20040017498"   "4706123"   "4819074"   "5036400"   "5065247"   "5079622"   "5264940"   "5416515"   "5420635"   "5714753"   "5929908"   "6211915"   "6219097"   "6593970"   "6670993"   "6765611"   "6771312"   "6809768"   "6831692"   "6839087"   "6859230"   "6873442"   "6909461"   "6924841"   "6970195"   "7024108").PN. OR ("7400355").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S394	20	("20020130957"   "4647975"   "6115065"   "6137100"   "6204881"   "6275259"   "6388709"   "6646246"   "6697114"   "6710804"   "6724426"   "6765611").PN. OR ("6924841").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S395	69	("4589024"   "4626916"   "4706123"   "4819070"   "4821103"   "4884142"   "4959723"   "5084704"   "5162914"   "5262871"   "5264944"   "5274459"   "5434619"   "5471515"   "5485206"   "5541402"   "5541654"   "5576763"   "5585847").PN. OR ("6115065").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38

S396	24	("20020027189"   "20020100862"   "20050128329"   "20060119717"   "5420635"   "5471515"   "5587596"   "5589880"   "5600696"   "5841126"   "5872595"   "5920345"   "6008486"   "6040570"   "6115065"   "6180935"   "6188433"   "6211915"   "6289139"   "6317154"   "6320616"   "6429898"   "6606121"   "6831689"). PN. OR ("7382407").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S397	30	("4845382"   "4914519"   "5278658").PN. OR ("5434619").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S398	16	("4843473"   "5274459"   "5434619"   "5737016"   "5998779"   "6008486"   "6067113"   "6118115"   "6166769"   "6476864"   "6535247"   "6538693"). PN. OR ("6803952").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S399	3	((("6970195") or ("20060208163") or ("20060175536"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/11/19 13:38
S400	1	("7087883").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/19 13:38
S401	7	("4809075"   "5955753"   "6160281"   "6218691"   "6320617"   "6750912"). PN. OR ("7087883").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S402	30	("4249122"   "4463383"   "4466018"   "4676761"   "4794247"   "5043820"   "5083016"   "5296696"   "5345266"   "5471515"   "5541402"   "5576763"   "5587596"   "5608243"   "5739562"   "5757426"   "5892540"   "5898753"   "5973311"   "6107655"   "6486913").PN. OR ("6750912").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S403	54	("4363963"   "4547806"   "4587562"   "4644401"   "4678938"   "4763197"). PN. OR ("4809075").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S404	7	("4809075"   "5955753"   "6160281"   "6218691"   "6320617"   "6750912"). PN. OR ("7087883").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38

S405	25	("20010006402"   "20010010551"   "4333111"   "4809075"   "5144447"   "5214274"   "5471515"   "5485204"   "5587596"   "5654537"   "5721425"   "5744823"   "5841126"   "5877715"   "5880691"   "5892540"   "5892541"   "5933188"   "6243134"   "6433822"   "6441852"   "6469740"). PN. OR ("6791612").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S406	2	("2001/0006402").URPN.	USPAT	OR	ON	2009/11/19 13:38
S407	25	("20010006402"   "20010007471"   "20020018131"   "20040041930"   "20040041932"   "20050012836"   "20050110093"   "20050248675"   "20070018267"   "20070285545"   "6043478"   "6107655"   "6352869"   "6486913"   "6522357"   "6657665"   "6693670"   "6731335"   "6750912"   "6867806"   "7053947"   "7064362"   "7238926"   "7244918"   "7332786").PN. OR ("7443437").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S408	18	10/229955	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S409	10	("2002/0018131").URPN.	USPAT	OR	ON	2009/11/19 13:38
S410	4	("20020018131"   "20040096124"   "20050083421"   "6377304").PN. OR ("7256381").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S411	6	("20040012697"   "20050012836"   "20050110884"   "20060146161").PN. OR ("7238926").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S412	14	("5272535"   "5274459"   "5523570"   "5751005"   "5900623"   "5955753"   "6069365"   "6091449"   "6233013"   "6465860"). PN. OR ("6867806").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38

S413	19	("4914518"   "4942473"   "5144442"   "5148268"   "5471515"   "5493423"   "5519514"   "5543838"   "5550653"   "5576763"   "5587596"   "5625210"   "5631704"   "5654755"   "5898168").PN. OR ("6233013").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S414	26	("4672453"   "4827345"   "4896216"   "5105277"   "5148268").PN. OR ("5543838").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S415	1	("6565824").PN.	USPAT	OR	OFF	2009/11/19 13:38
S416	4	("4930006"   "5410146"   "5965892"   "5973311"). PN. OR ("6844898").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S417	22	("4948966"   "5193018"   "5371351").PN. OR ("5721422").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S418	13	("20010013901"   "20020154233"   "20020154347"   "5793423"   "5949483"   "6239839"   "6365886"   "6452153"   "6531690"   "6747264"   "7242427"). PN. OR ("7304674").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S419	50	"348".clas. and (shar\$4 with float\$4 with diffusion)	USPAT	OR	ON	2009/11/19 13:38
S420	6	("20040012697"   "20050012836"   "20050110884"   "20060146161").PN. OR ("7238926").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S421	16	fossum.in. and binning	USPAT	OR	ON	2009/11/19 13:38
S422	3197	(250/208.1).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S423	1403	(250/208.1).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S424	17	(348/316).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38



S425	36	("4453177"   "4603354"   "4658287"   "4928137"   "4959723"   "5043819"   "5136370"   "5148013"   "5153731"   "5196939"   "5249041"   "5264939"   "5278660"   "5418565"   "5463419"   "5486859"   "5491512"   "5493335"   "5786588"   "5880781"   "5990946"   "6011583"   "6122007"   "6124888"   "6130710"   "6275261"   "6449013"   "6529236"). PN. OR ("6784928").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S426	13	("4635122"   "4816916"   "4837630"   "4839734"   "4878121"   "4897728"   "5043819"   "5148013"). PN. OR ("5400071").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S427	1739	floating adj diffusion	USPAT	OR	ON	2009/11/19 13:38
S428	1346	(floating adj diffusion) with charge	USPAT	OR	ON	2009/11/19 13:38
S429	787	(floating adj diffusion) with charge with voltage	USPAT	OR	ON	2009/11/19 13:38
S430	136153	"348".clas.	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S431	8039	(short same long) and (dynamic near3 range) and averag\$4	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S432	45	((ROBERT) near2 (GUIDASH)).INV.	USPAT	OR	ON	2009/11/19 13:38
S433	16	((ROBERT) near2 (GUIDASH)).INV.	US-PGPUB	OR	ON	2009/11/19 13:38
S434	464	(348/302).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S435	885	(348/308).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S436	129	(348/310).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S437	374	(348/311).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S438	117	(348/316).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S439	229	(348/272).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S440	380	(348/273).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S441	49	(348/281).CCLS.	USPAT	OR	OFF	2009/11/19 13:38

S442	63	(348/282).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S443	321	(348/220.1).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S444	156	(348/221.1).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S445	210	(348/302).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S446	761	(348/308).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S447	21	(348/310).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S448	302	(348/311).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S449	17	(348/316).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S450	227	(348/272).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S451	149	(348/273).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S452	6	(348/281).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S453	3	(348/282).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S454	211	(348/220.1).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S455	30	(348/221.1).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S456	50	"348".clas. and (shar\$4 with float\$4 with diffusion)	USPAT	OR	ON	2009/11/19 13:38
S457	4600	(250/208.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/11/19 13:38
S458	406	S457 and (shar\$4 or multiplex\$4) same amplif \$4	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S459	117	(348/316).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S460	17	(348/316).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S461	95	(348/319).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S462	2	(348/319).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S463	46	(348/283).CCLS.	USPAT	OR	OFF	2009/11/19 13:38
S464	3	(348/283).CCLS.	US-PGPUB	OR	OFF	2009/11/19 13:38

S465	761	(348/241).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S466	453	(348/241).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S467	268	(S465 S466) and averag\$4	USPAT	OR	ON	2009/11/19 13:38
S468	506	(S465 S466) and averag\$4	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S469	646	(floating adj diffusion) with charge with voltage and pixel	USPAT	OR	ON	2009/11/19 13:38
S470	385	(348/229.1).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S471	136153	"348".clas.	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S472	12013	(short same long) and (dynamic near3 range)	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S473	1286	S471 and S472	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S474	8039	(short same long) and (dynamic near3 range) and averag\$4	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S475	754	S471 and S474	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S476	39	(348/235).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S477	4	(348/235).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S478	18	(348/367).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S479	69	(348/367).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S480	54	(348/364).CQLS.	US-PGPUB	OR	OFF	2009/11/19 13:38
S481	274	(348/364).CQLS.	USPAT	OR	OFF	2009/11/19 13:38
S482	29	("20020027189"   "20030001962"   "20030184659"   "20040017498"   "4706123"   "4819074"   "5036400"   "5065247"   "5079622"   "5264940"   "5416515"   "5420635"   "5714753"   "5929908"   "6211915"   "6219097"   "6593970"   "6670993"   "6765611"   "6771312"   "6809768"   "6831692"   "6839087"   "6859230"   "6873442"   "6909461"	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38

		("6924841"   "6970195"   "7024108").PN. OR ("7400355").URPN.				
S483	20	("20020130957"   "4647975"   "6115065"   "6137100"   "6204881"   "6275259"   "6388709"   "6646246"   "6697114"   "6710804"   "6724426"   "6765611").PN. OR ("6924841").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S484	69	("4589024"   "4626916"   "4706123"   "4819070"   "4821103"   "4884142"   "4959723"   "5084704"   "5162914"   "5262871"   "5264944"   "5274459"   "5434619"   "5471515"   "5485206"   "5541402"   "5541654"   "5576763"   "5585847").PN. OR ("6115065").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S485	24	("20020027189"   "20020100862"   "20050128329"   "20060119717"   "5420635"   "5471515"   "5587596"   "5589880"   "5600696"   "5841126"   "5872595"   "5920345"   "6008486"   "6040570"   "6115065"   "6180935"   "6188433"   "6211915"   "6289139"   "6317154"   "6320616"   "6429898"   "6606121"   "6831689"). PN. OR ("7382407").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S486	30	("4845382"   "4914519"   "5278658").PN. OR ("5434619").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S487	16	("4843473"   "5274459"   "5434619"   "5737016"   "5998779"   "6008486"   "6067113"   "6118115"   "6166769"   "6476864"   "6535247"   "6538693"). PN. OR ("6803952").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38

S488	143	(US-20020154231-\$ or US-20050012836-\$ or US-20020066849-\$ or US-20040017497-\$ or US-20070097244-\$ or US-20070070232-\$ or US-20020186312-\$ or US-20020145675-\$ or US-20030112350-\$ or US-20030081132-\$ or US-20030090581-\$ or US-20020057354-\$ or US-20020012055-\$ or US-20080156966-\$ or US-20070075221-\$ or US-20060273241-\$ or US-20060273240-\$ or US-20060208163-\$ or US-20060208161-\$ or US-20060175536-\$ or US-20040041931-\$ or US-20040051802-\$ or US-20020080263-\$ or US-20030001962-\$ or US-20020027189-\$ or US-20050128329-\$).did. or (US-20020100862-\$ or US-20080136933-\$ or US-20080030605-\$ or US-20010006402-\$ or US-20070285545-\$ or US-20070018267-\$ or US-20050110093-\$ or US-20020018131-\$ or US-20050083421-\$ or US-20050110884-\$).did. or (US-6690421-\$ or US-4930006-\$ or US-6236434-\$ or US-7230646-\$ or US-4514766-\$ or US-4455575-\$ or US-6798451-\$ or US-7256831-\$ or US-6844898-\$ or US-6423959-\$ or US-4774586-\$ or US-6160580-\$ or US-3971065-\$ or US-6522356-\$ or US-5721422-\$ or US-6185270-\$ or US-5396121-\$ or US-4559550-\$ or US-4500915-\$ or US-7304674-\$ or US-7242427-\$ or US-6674094-\$ or US-6452153-\$ or US-5896173-\$ or US-7315329-\$ or US-7148927-\$).did. or (US-5278660-\$ or US-4876590-\$ or US-4658287-\$ or US-4542409-\$ or US-6784928-\$ or US-4453177-\$ or US-	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
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		7238926-\$ or US-7075049-\$ or US-7026596-\$ or US-6657665-\$ or US-6423994-\$ or US-6352869-\$ or US-6686960-\$ or US-5500675-\$ or US-5949483-\$ or US-7342213-\$ or US-5786588-\$ or US-4959723-\$ or US-5440343-\$ or US-5400071-\$ or US-5148013-\$ or US-4626898-\$ or US-4314279-\$ or US-4816916-\$ or US-4553167-\$ or US-7408443-\$ or US-6795119-\$).did. or (US-5027195-\$ or US-4821088-\$ or US-4814865-\$ or US-7375748-\$ or US-6483541-\$ or US-7079178-\$ or US-6710804-\$ or US-6697114-\$ or US-6204881-\$ or US-6115065-\$ or US-4647975-\$ or US-6289139-\$ or US-6040570-\$ or US-6008486-\$ or US-5841126-\$ or US-5600696-\$ or US-6972794-\$ or US-6809766-\$ or US-6529242-\$ or US-5434619-\$ or US-6950131-\$ or US-6803952-\$ or US-7148462-\$ or US-6538693-\$ or US-6476864-\$ or US-6067113-\$ or US-6466265-\$).did. or (US-6421085-\$ or US-6166769-\$ or US-6809768-\$ or US-7068317-\$ or US-6587146-\$ or US-6552323-\$ or US-7355641-\$ or US-7379107-\$ or US-6970195-\$ or US-7087883-\$ or US-6750912-\$ or US-6218691-\$ or US-4809075-\$ or US-6791612-\$ or US-7443437-\$ or US-7256381-\$ or US-6867806-\$ or US-6233013-\$ or US-6731335-\$ or US-5543838-\$ or US-7518759-\$ or US-5148268-\$ or US-5955753-\$ or US-7476836-\$ or US-5892540-\$ or US-7511323-\$ or US-7382010-\$).did.				
S489	12	S488 and (color adj differenc\$4)	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38
S490	86	"348".clas. and (adjacent or neighbor\$4) near3 (color adj differenc\$4)	US-PGPUB; USPAT	OR	ON	2009/11/19 13:38

S491	8	("4757377"   "5034805"). PN. OR ("5229859").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S492	34	bryce near3 bayer	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S493	35	bayer adj (filter or pattern) with (benefit or advantage)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S494	745	"348".clas. and (short with long) with (expos\$4 or integrat\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S495	409	S494 and (dynamic near3 range)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S496	4	("6008486"   "6674470"   "6680498"   "6710804"). PN. OR ("7397509").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S497	1	("6486504").PN.	USPAT	OR	OFF	2009/11/19 13:38
S498	215	S494 and (dynamic near3 range) and averag\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S499	44	"348".clas. and ((short with long) with (expos\$4 or integrat\$4) same averag \$4) and (dynamic near3 range)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S500	9	("5325449"   "5488674"   "5511155"   "5828793"   "5886822"   "6075905"). PN. OR ("6584235").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38
S501	1	("2003/0117520").URPN.	USPAT	OR	ON	2009/11/19 13:38
S502	0	moorehead.xa.	USPAT	OR	ON	2009/11/19 13:38
S503	0	moorhead.xa.	USPAT	OR	ON	2009/11/19 13:38
S504	8	morehead.xa.	USPAT	OR	ON	2009/11/19 13:38
S505	3435	"16 phase"	USPAT	OR	ON	2009/11/19 13:38
S506	187	"16 phase" and "348".clas.	USPAT	OR	ON	2009/11/19 13:38
S507	12	("5528291"   "5608455"). PN. OR ("6583818").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 13:38

S508	15	("20030035499"   "20050103977"   "20050206752"   "20060239079"   "5572155"   "5946033"   "6011251"   "6166768"   "6303923"   "6850278"   "6853241"   "7154075"   "7274009"   "7324144"   "7453986").PN.	US-PGPUB; USPAT	OR	ON	2009/11/19 15:22
S509	14	("20020139921"   "20020154347"   "20030193580"   "20040246354"   "5949483"   "6222175"   "6377304"   "6421085"   "6850278").PN. OR ("7154075").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 17:07
S510	41	("20010007471"   "20020154231"   "4709147"   "4737854"   "4835404"   "4879470"   "4967067"   "4972243"   "5162912"   "5172249"   "5184006"   "5262870"   "5539196"   "5693932"   "5714752"   "5818052"   "5861917"   "5990471"   "6002287"   "6011251"   "6133862"   "6243134"   "6317154"   "6512546"   "6538693"   "6587146"   "RE34309").PN. OR ("6850278").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 17:11
S511	137	"348".clas. and parallel with sampl\$4 with capacitor	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 17:21
S512	36	("4589028"   "4809074"   "4839729"   "4843473"). PN. OR ("5172249").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 17:25
S513	1	("6757016").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/19 17:29
S514	1	("6977684").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/19 17:58



S515	40	("4477835"   "4636865"   "4768085"   "4876601"   "4910597"   "4910599"   "4914519"   "4967067"   "4985758"   "5162912"   "5220170"   "5262850"   "5288988"   "5315412"   "5418387"   "5424529"   "5442396"   "5461425"   "5587814"   "5721422"   "5955753"   "6021172"   "6107655"   "6160281"   "6522356"   "6538693"). PN. OR ("6977684").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 18:02
S516	95	krymski.in.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 22:03
S517	4	"348".clas. and replac\$4 with smaller with (plural\$4 or multiple) with capacitors	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 22:16
S518	10	("20020139921"   "5949483"   "6222175"   "6377304"   "6421085"   "6850278"   "6900832"   "7242427").PN. OR ("7319218").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 22:17
S519	13	("20050110002"   "20050168602"   "20050168605"   "20050179795"   "20050259167"   "20060238633"   "20070001252"   "5892540"   "6973265"   "7046284"   "7227208"   "7245321"   "7319218"). PN. OR ("7561199").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 22:22
S520	8	("20020134918"   "20040145402"   "5712682"   "6137533"   "6154252"   "6396048"   "6747264"   "7005628"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 22:28
S521	2	("6396048").URPN.	USPAT	OR	ON	2009/11/19 22:30

S522	36	("20020047934"   "20030133627"   "20040135911"   "20040252209"   "5148268"   "5248971"   "5382977"   "5471515"   "5880460"   "5892540"   "5929434"   "6115066"   "6417504"   "6441357"   "6456326"   "6476374"   "6483116"   "6493030"   "6498331"   "6504141"   "6532040"   "6535247"   "6538245"   "6566697"   "6583817"   "6587142"   "6624850"   "6677996"   "6697111"   "6809767"   "6888572").PN. OR ("7046284").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 22:33
S523	13	("20050110002"   "20050168602"   "20050168605"   "20050179795"   "20050259167"   "20060238633"   "20070001252"   "5892540"   "6973265"   "7046284"   "7227208"   "7245321"   "7319218"). PN. OR ("7561199").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 22:34
S524	13	("20020034918"   "20020134918"   "20040008813"   "20050052552"   "20050259167"   "20050270392"   "20050270393"   "4603354"   "5698844"   "5909026"   "5949483"   "6185274"   "6661451"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 22:50
S525	9	("20020139921"   "20020154347"   "20030193580"   "20040246354"   "5949483"   "6222175"   "6377304"   "6421085"   "6850278").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 22:50

S526	16	("20040041080"   "20040051802"   "20060001753"   "4129863"   "4200863"   "5235333"   "5793322"   "5841126"   "5880691"   "6441357"   "6567028"   "6881942"   "6885396"   "7068319").PN. OR ("7336214").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 22:58
S527	32	("20020054233"   "20020139921"   "20020166948"   "20040207739"   "20040233324"   "20050280737"   "5471515"   "5504909"   "5886659"   "5886691"   "5929800"   "6018364"   "6124819"   "6137432"   "6229134"   "6233012"   "6366320"   "6429413"   "6441357"   "6606122"   "6646583"   "6734905"   "6753801"   "6847399"   "7005628").PN. OR ("7068319").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 23:03
S528	10	("5898168"   "5965871"   "6130423"   "6320616"   "6320617"   "6421085"   "6441357"   "6498347"   "6512544"   "6593966"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 23:31
S529	6	(reduc\$4 near3 noise) and (replac\$4 with smaller with (plural\$4 or multiple) with capacitors)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 23:42
S530	107	(reduc\$4 near3 noise) and (smaller with (plural\$4 or multiple) with capacitors)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 23:42
S531	27	S530 and averag\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 23:43
S532	3	((("6486504") or ("6008486") or ("20040041927"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/11/19 23:48
S533	1	("6128039").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/20 00:09

S534	15	("20030035499"   "20050103977"   "20050206752"   "20060239079"   "5572155"   "5946033"   "6011251"   "6166768"   "6303923"   "6850278"   "6853241"   "7154075"   "7274009"   "7324144"   "7453986").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/20 00:26
S535	1	("6134298").PN. OR ("7453986").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/20 00:27
S536	33	wilder.in. and pixel	US-PGPUB; USPAT	OR	ON	2010/08/24 16:34
S537	8	("3986198"   "4598320"   "4644572"   "4945420"   "5041890"   "5146480"   "5250824"   "7045754"). PN.	US-PGPUB; USPAT	OR	ON	2010/08/24 17:42
S538	8	("3963942"   "4611234"   "4685117"   "4695890"   "4752829"   "4833539"). PN. OR ("4945420").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/24 17:45
S539	18	("4040077"   "4241421"   "4330753"   "4689808"   "4726049"   "4939560"   "4998265").PN. OR ("5250824").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/24 18:16
S540	8	("3986198"   "4598320"   "4644572"   "4945420"   "5041890"   "5146480"   "5250824"   "7045754"). PN.	US-PGPUB; USPAT	OR	ON	2010/08/26 15:58
S541	18	("4040077"   "4241421"   "4330753"   "4689808"   "4726049"   "4939560"   "4998265").PN. OR ("5250824").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/26 18:41
S542	1	("20030098919").PN.	US-PGPUB; USPAT	OR	OFF	2010/08/27 11:19
S543	120	chriss near3 yoder	US-PGPUB; USPAT	OR	ON	2010/08/27 15:05
S544	11	("20010033336"   "20020067416"   "20030043089"   "20050018064"   "20050270395"   "20060007337"   "4453177"   "4658287"   "4709259"   "4959723"   "5436662").PN.	US-PGPUB; USPAT	OR	ON	2010/08/27 16:32
S545	595	(348/220.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:05

S546	216	(348/221.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:05
S547	56	(348/235).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:05
S548	1423	(348/241).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:05
S549	513	(348/272).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:05
S550	617	(348/273).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:05
S551	68	(348/281).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:06
S552	51	(348/283).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:06
S553	805	(348/302).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:06
S554	1949	(348/308).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:06
S555	153	(348/310).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:06
S556	804	(348/311).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:06
S557	142	(348/316).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:06
S558	98	(348/319).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:06
S559	358	(348/364).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:06
S560	93	(348/367).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:06
S561	4980	(250/208.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 19:06
S562	14	("20020067416"   "20030035059"   "20030193585"   "4959723"   "5144447"   "5693932"   "5818526"   "6023293"   "6486912"   "6507365"   "6798451"   "6914632"   "7030356"   "7030920").PN.	US-PGPUB; USPAT	OR	ON	2010/08/27 19:26
S563	17	("4016550"   "4047203"   "4271428").PN. OR ("4453177").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 19:40
S564	5	("4453177"   "5229962"   "6115065"   "6466265"   "6784928").PN. OR ("7565033").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 19:45

S565	27	("4541010"   "5434619"   "5790191"   "5953060"). PN. OR ("6466265").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 19:50
S566	12	("20020154347"   "20030043089"   "20040257128"   "20050012836"   "20050237406"   "20050237407"   "20050253947"   "20060044440"   "6466265"   "6741373"   "6977682"   "7256382"). PN. OR ("7728894").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 19:52
S567	10	("2003/0043089").URPN.	USPAT	OR	ON	2010/08/27 19:56
S568	19	("20030043089"   "20030146991"   "20030234884"   "20040041927"   "4541010"   "5262871"   "5264939"   "5565913"   "6011583"   "6222175"   "6466265"   "6512858"   "6784928"   "6822211"   "6961088"   "7012644"   "7068316"   "7289150"   "7408443").PN. OR ("7619669").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 19:57
S569	12	("20030011829"   "20030043089"   "20070076109"   "20070139242"   "5757520"   "6115065"   "6545624"   "6552745"   "6573936"   "6870565"   "6953923").PN. OR ("7488928").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 20:00
S570	16	("4827145"   "4996413"   "5187583"   "5731578"   "5796431"   "6075564"   "6169440"   "6201573"). PN. OR ("6977682").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 20:17
S571	8	("5959485"   "6166367"   "6201573"   "6204524"   "6342919"   "6407440"   "6927791"   "6977682"). PN. OR ("7382408").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 20:20

S572	15	("20030035499"   "20050103977"   "20050206752"   "20060239079"   "5572155"   "5946033"   "6011251"   "6166768"   "6303923"   "6850278"   "6853241"   "7154075"   "7274009"   "7324144"   "7453986").PN. OR ("7688366").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 20:59
S573	129	"348".clas. and cqs	US-PGPUB; USPAT	OR	ON	2010/08/27 21:53
S574	8	("20020101528"   "4539598"   "4750042"   "4858020"   "5452004"   "6512858").PN. OR ("6914632").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 21:59
S575	19	("4528594"   "4593319"   "4617595").PN. OR ("4750042").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 22:02
S576	217	(348/230.1).CQLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 23:09
S577	2	"US 7746399"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/08/27 23:12
S578	160	(348/304).CQLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 23:13
S579	1671	(348/294).CQLS.	US-PGPUB; USPAT	OR	OFF	2010/08/27 23:16
S580	66	((ROBERT) near2 (GUI DASH)).INV.	US-PGPUB; USPAT	OR	ON	2010/08/27 23:20
S595	1	("6031399").PN.	US-PGPUB; USPAT	OR	OFF	2010/08/28 12:37
S596	6	((("6031399") or ("6040570") or ("6289139") or ("6008486") or ("20020027189") or ("6930722"))).PN.	US-PGPUB; USPAT	OR	OFF	2010/08/28 12:38

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S581	218	(348/341).CQLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/08/27 23:15
S582	809	(348/302).CQLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/08/27 23:15
S583	160	(348/304).CQLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/08/27 23:16

S584	623	(348/273).CQLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/08/27 23:18
S585	218	(348/230.1).CQLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/08/27 23:18
S586	1678	(348/294).CQLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/08/27 23:18
S587	66	((ROBERT) near2 (GUIDASH)).INV.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/27 23:20
S588	1959	S581 S582 S583 S584 S585 S585	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/27 23:20
S589	13	S587 and (multiple or plural or plurality or several) with (samples or sampling or read\$4)	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/27 23:24
S590	776	S588 and (multiple or plural or plurality or several) with (samples or sampling or read\$4)	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/27 23:24
S591	438	S588 and ((multiple or plural or plurality or several) with (samples or sampling or read\$4)). clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/27 23:24
S592	333	S588 and (multiple or plural or plurality or several) with (samples or sampling or read\$4) same (stored or storage or storing or held or hold or holding or record or recording or recorded)	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/27 23:32
S593	159	S588 and ((multiple or plural or plurality or several) with (samples or sampling or read\$4) same (stored or storage or storing or held or hold or holding or record or recording or recorded)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/27 23:32
S594	76	S588 and ((multiple or plural or plurality or several) near4 (samples or sampling or read\$4) same (stored or storage or storing or held or hold or holding or record or recording or recorded)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/27 23:33



S600	31093	((multiple or plural or plurality or several) near4 (samples or sampling or read\$4) same (stored or storage or storing or held or hold or holding or record or recording or recorded)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/28 18:57
S601	490245	pixel picel pixcel (photo adj site) photocell (photo adj cell) pel (photo adj diode) photodiode photogate (photo adj gate)	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/28 19:00
S602	593519	camera imager (image adj sensor) (image adj pickup) (solid adj state adj sensor) (photoelectric adj converter) (imaging adj (device system apparatus)) (image adj captur\$4 adj (device system apparatus)) (image adj sensing adj (device system apparatus))	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/28 19:02
S603	2716	S600 and S601 and S602	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/28 19:03
S604	1632	((multiple or plural or plurality or several) near4 (samples or sampling or read\$4) same (stored or storage or storing or held or hold or holding or record or recording or recorded) same (separat \$2 individual\$3)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/28 19:05
S605	947	((multiple or plural or plurality or several) near4 (samples or sampling or read\$4) with (stored or storage or storing or held or hold or holding or record or recording or recorded) with (separat \$2 individual\$3)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/28 19:06

S606	215	((multiple or plural or plurality or several) near4 (samples or sampling or read\$4) with (stored or storage or storing or held or hold or holding or record or recording or recorded) near2 (separat\$2 individual\$3)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/28 19:06
S607	13	S606 and S601 and S602	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/28 19:07
S608	4	((multiple or plural or plurality or several) near4 (equivalent identical "same") near4 (samples or sampling or read\$4)) with ((stored or storage or storing or held or hold or holding or record or recording or recorded) near2 (separat\$2 individual \$3))).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/28 19:10
S609	294963	(cod OR (charge\$1 ADJ couple\$1) OR "image sensor" OR "image pickup" OR "image pick up" OR "imaging device" OR "image sensing" OR "imaging array" OR "pixel sensor" OR "imaging apparatus" OR "image capturing" OR "video sensor" OR "imaging unit")	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/28 19:11
S610	641090	S602 or S609	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/28 19:12
S611	219507	S601 and S610	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/28 19:12
S612	14	S606 and S611	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/28 19:12

8/ 28/ 2010 7:19:29 PM

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